

WHAT IS CLAIMED IS:

1                   1.       An auxiliary tool for assembling a scrubber which includes a motor, a  
2 shaft rotatably coupled to and extending through the motor, a shaft pin detachably connected  
3 to the shaft, and a disk coupled to the shaft and having a notch located relative to the shaft pin  
4 at a predetermined angle with respect to a longitudinal axis of the shaft when properly  
5 assembled, the auxiliary tool comprising:

6                   a tool body configured to at least partially receive the motor, the shaft pin, the  
7 disk, and the notch of the disk, the tool body including a first recess configured to at least  
8 partially receive the shaft pin and a protrusion configured to be at least partially received into  
9 the notch of the disk, the first recess and the protrusion being arranged at the predetermined  
10 angle to position the notch of the disk and the shaft pin of the scrubber for proper assembly at  
11 the predetermined angle with respect to the longitudinal axis of the shaft.

1                   2.       The auxiliary tool of claim 1 wherein the tool body comprises a second  
2 recess configured to partially receive the motor.

1                   3.       The auxiliary tool of claim 1 wherein the tool body comprises a third  
2 recess configured to partially receive a portion of the shaft disposed on a side of the motor  
3 opposite from the disk.

1                   4.       The auxiliary tool of claim 3 wherein the first recess is formed inside  
2 the third recess.

1                   5.       The auxiliary tool of claim 1 wherein the tool body comprises a fourth  
2 recess configured to partially receive a portion of the shaft disposed on a side of the motor  
3 where the disk is disposed.

1                   6.       The auxiliary tool of claim 1 wherein the protrusion is configured to  
2 match a shape of the notch and abut the disk.

1                   7.       The auxiliary tool of claim 1 wherein the first recess is configured to  
2 partially receive the shaft pin.

1                   8.       An auxiliary tool for assembling a scrubber which includes a motor, a  
2 shaft rotatably coupled to and extending through the motor, a shaft pin detachably connected  
3 to the shaft, and a disk coupled to the shaft and having a notch located relative to the shaft pin

4 at a predetermined angle with respect to a longitudinal axis of the shaft when properly  
5 assembled, the auxiliary tool comprising:  
6 a tool body configured to partially receive the scrubber, the tool body  
7 including a first recess configured to receive the shaft pin;  
8 a protrusion integrally formed on the tool body and being configured to match  
9 a shape of the notch and abut the disk, the first recess and the protrusion being arranged at the  
10 predetermined angle to position the notch of the disk and the shaft pin of the scrubber for  
11 proper assembly at the predetermined angle with respect to the longitudinal axis of the shaft.

1 9. The auxiliary tool of claim 8 wherein the tool body comprises a second  
2 recess configured to partially receive the motor.

1 10. The auxiliary tool of claim 8 wherein the tool body comprises a third  
2 recess configured to partially receive a portion of the shaft disposed on a side of the motor  
3 opposite from the disk.

1 11. The auxiliary tool of claim 10 wherein the first recess is formed inside  
2 the third recess.

1 12. The auxiliary tool of claim 8 wherein the tool body comprises a fourth  
2 recess configured to partially receive a portion of the shaft disposed on a side of the motor  
3 where the disk is disposed.

1 13. A method of assembling a scrubber which includes a motor, a shaft  
2 rotatably coupled to and extending through the motor, a shaft pin detachably connected to the  
3 shaft, and a disk coupled to the shaft and having a notch located relative to the shaft pin at a  
4 predetermined angle with respect to a longitudinal axis of the shaft when properly assembled,  
5 the method comprising:

6 providing a tool body configured to partially receive the scrubber, the tool  
7 body including a first recess and a protrusion;

8 placing the tool body adjacent the scrubber to at least partially receive the  
9 shaft pin into the first recess of the tool body and to at least partially insert the protrusion of  
10 the tool body into the notch of the disk, the first recess and the protrusion being arranged at  
11 the predetermined angle to position the notch of the disk and the shaft pin of the scrubber for  
12 proper assembly at the predetermined angle with respect to the longitudinal axis of the shaft.

1                    14.     The method of claim 13 wherein the tool body comprises a second  
2 recess, and wherein the tool body is placed adjacent the scrubber to partially receive the  
3 motor into the second recess of the tool body.

1                    15.     The method of claim 13 wherein the tool body comprises a third  
2 recess, and wherein the tool body is placed adjacent the scrubber to partially receive into the  
3 third recess a portion of the shaft disposed on a side of the motor opposite from the disk.

1                    16.     The method of claim 15 wherein the first recess is formed inside the  
2 third recess.

1                    17.     The method of claim 13 wherein the tool body comprises a fourth  
2 recess, and wherein the tool body is placed adjacent the scrubber to partially receive into the  
3 fourth recess a portion of the shaft disposed on a side of the motor where the disk is disposed.

1                    18.     The method of claim 13 wherein the protrusion of the tool body is  
2 configured to match a shape of the notch, and wherein the tool body is placed adjacent the  
3 scrubber to abut the disk with the protrusion of the tool body.

1                    19.     The method of claim 13 wherein the tool body is placed adjacent the  
2 scrubber to partially receive the shaft pin into the first recess of the tool body.